

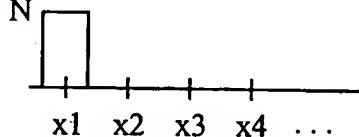
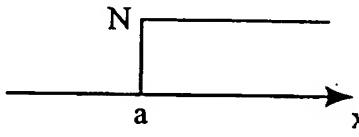
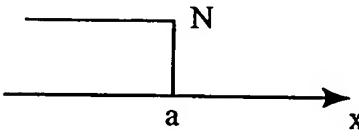
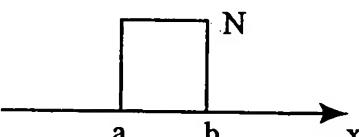
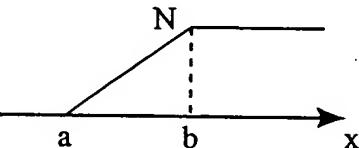
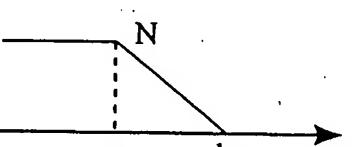
| Name          | Payoff Diagram  | Payoff Equation  |
|---------------|---|--|
| Discrete      |    | $P = \begin{cases} N & \text{if } x_1 \text{ occurs} \\ 0 & \text{else} \end{cases}$   |
| Digital Call  |    | $P = \begin{cases} 0 & \text{if } x < a \\ N/2 & \text{if } x = a \\ N & \text{if } x > a \end{cases}$                       |
| Digital Put   |   | $P = \begin{cases} N & \text{if } x < a \\ N/2 & \text{if } x = a \\ 0 & \text{if } x > a \end{cases}$                       |
| Digital Range |  | $P = \begin{cases} N & \text{if } a < x < b \\ N/2 & \text{if } x = a \text{ or } x = b \\ 0 & \text{else} \end{cases}$      |
| Call Spread   |  | $P = \begin{cases} 0 & \text{if } x < a \\ N \frac{(x-a)}{(b-a)} & \text{if } a < x < b \\ N & \text{if } x > b \end{cases}$ |
| Put Spread    |  | $P = \begin{cases} N & \text{if } x < a \\ N \frac{(b-x)}{(b-a)} & \text{if } a < x < b \\ 0 & \text{if } x > b \end{cases}$ |

FIG. 1 (PRIOR ART)

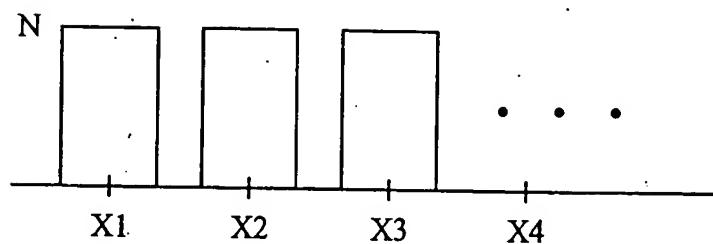


FIG. 2A

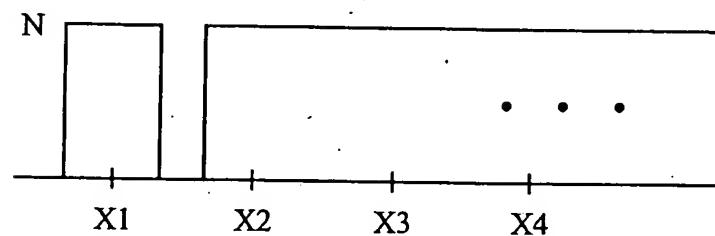


FIG. 2B

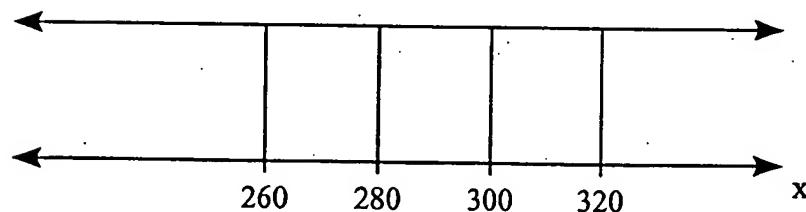


FIG. 2C

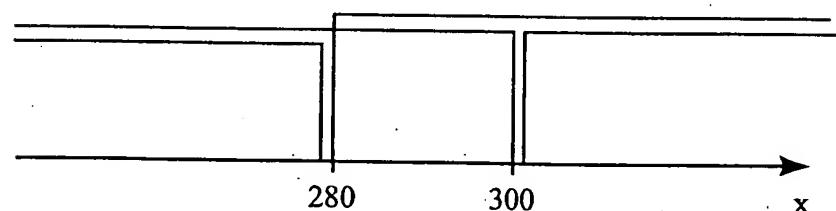


FIG. 2D

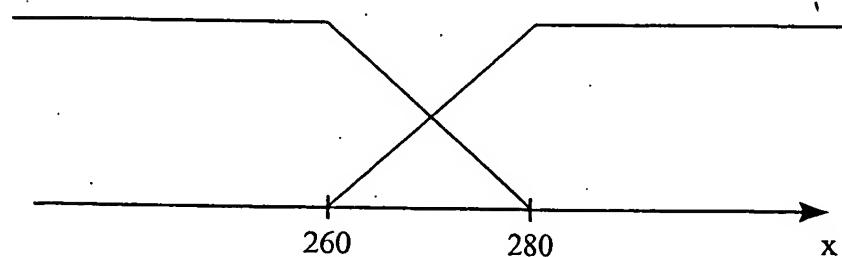


FIG. 2E

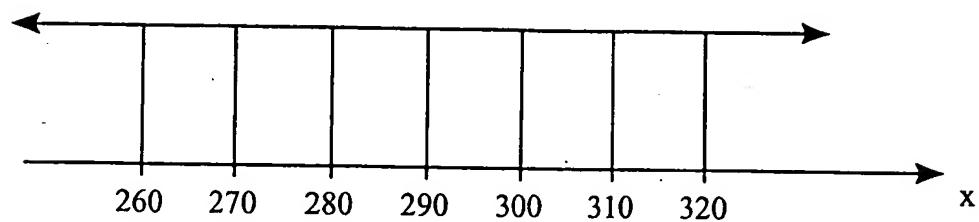


FIG. 3

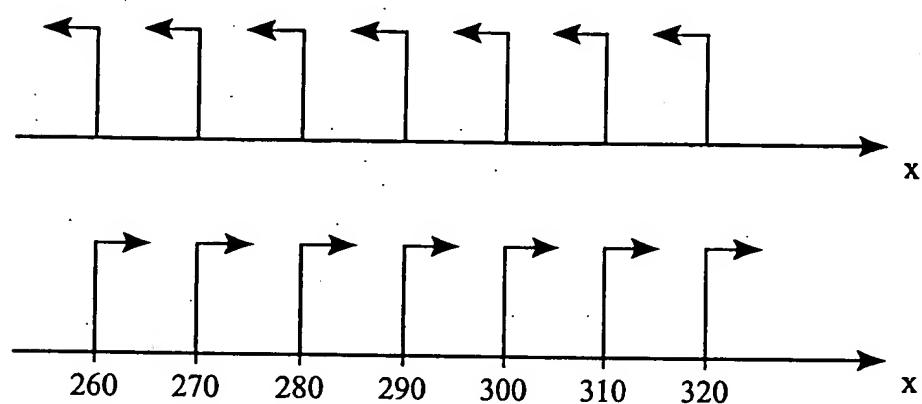


FIG. 4

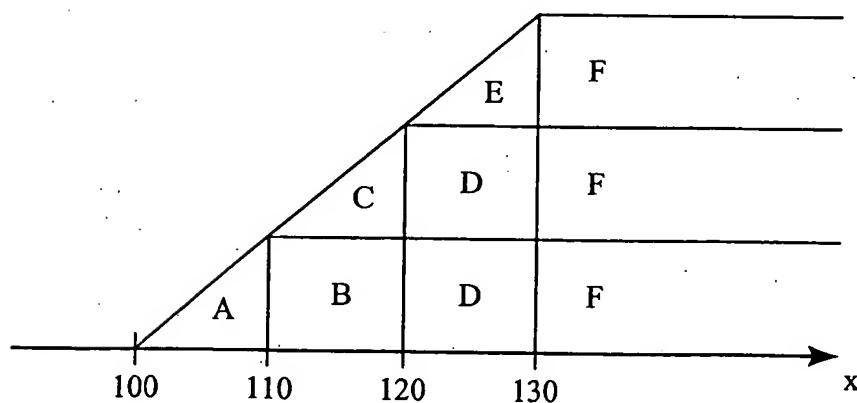


FIG. 5A

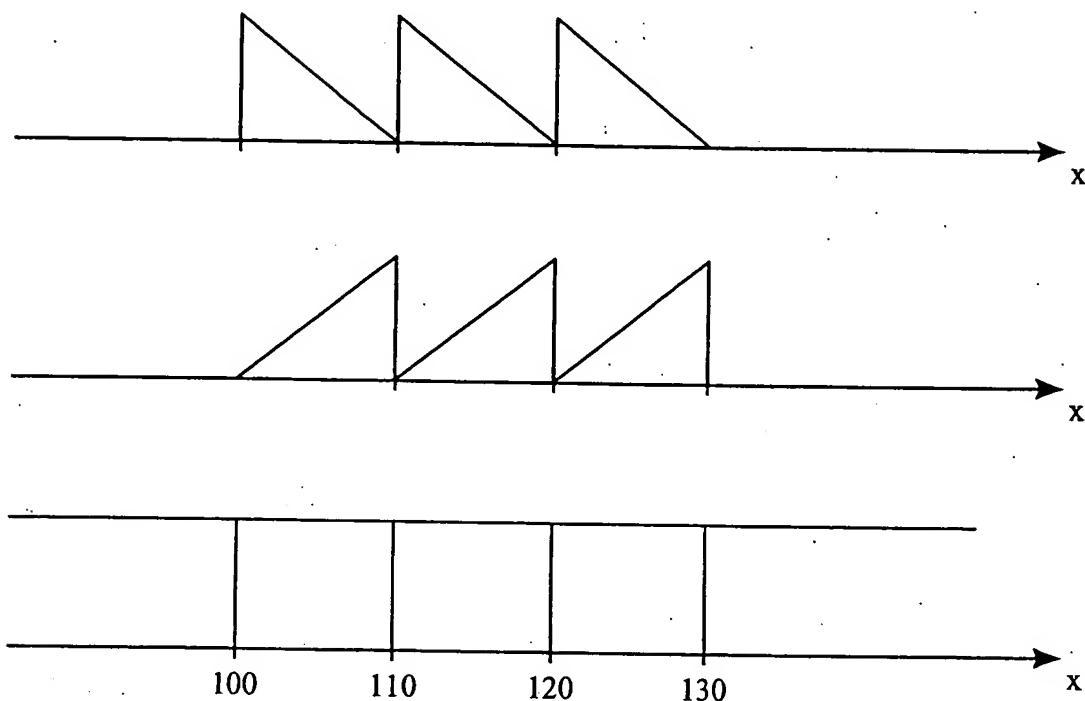


FIG. 5B

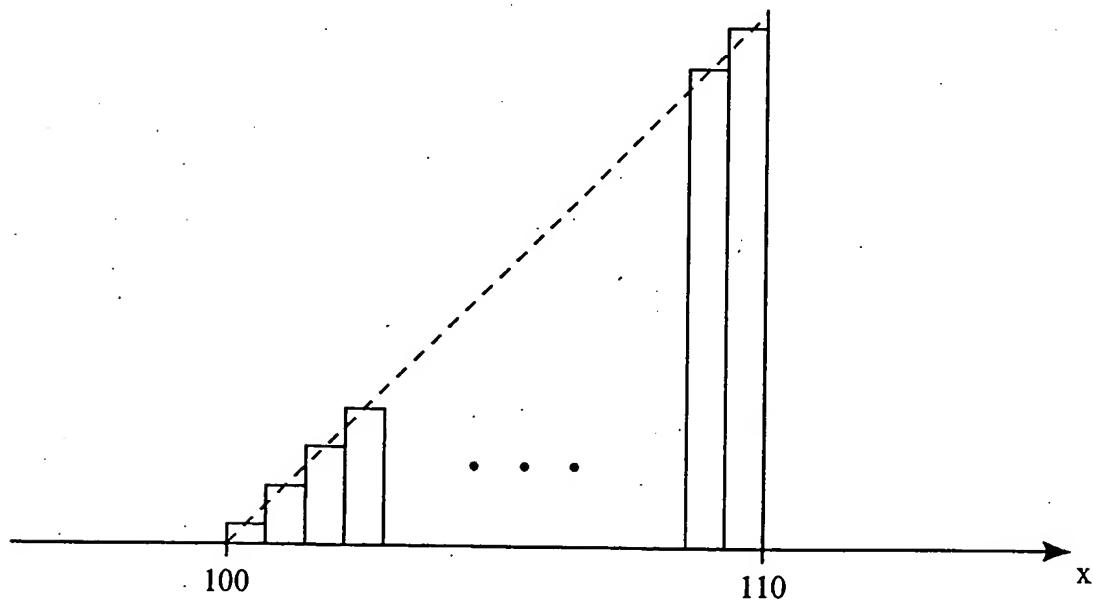


FIG. 5C

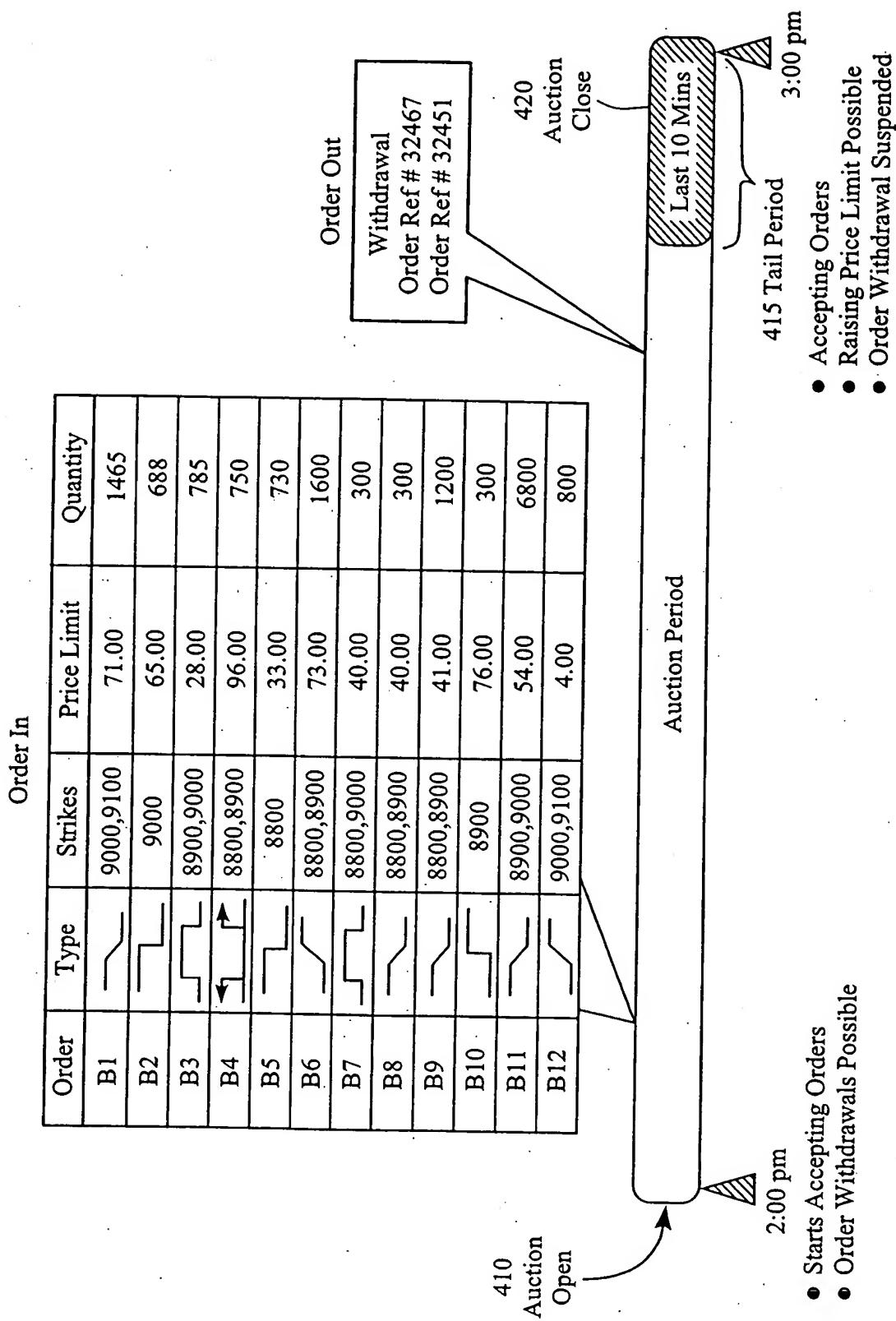


FIG. 6

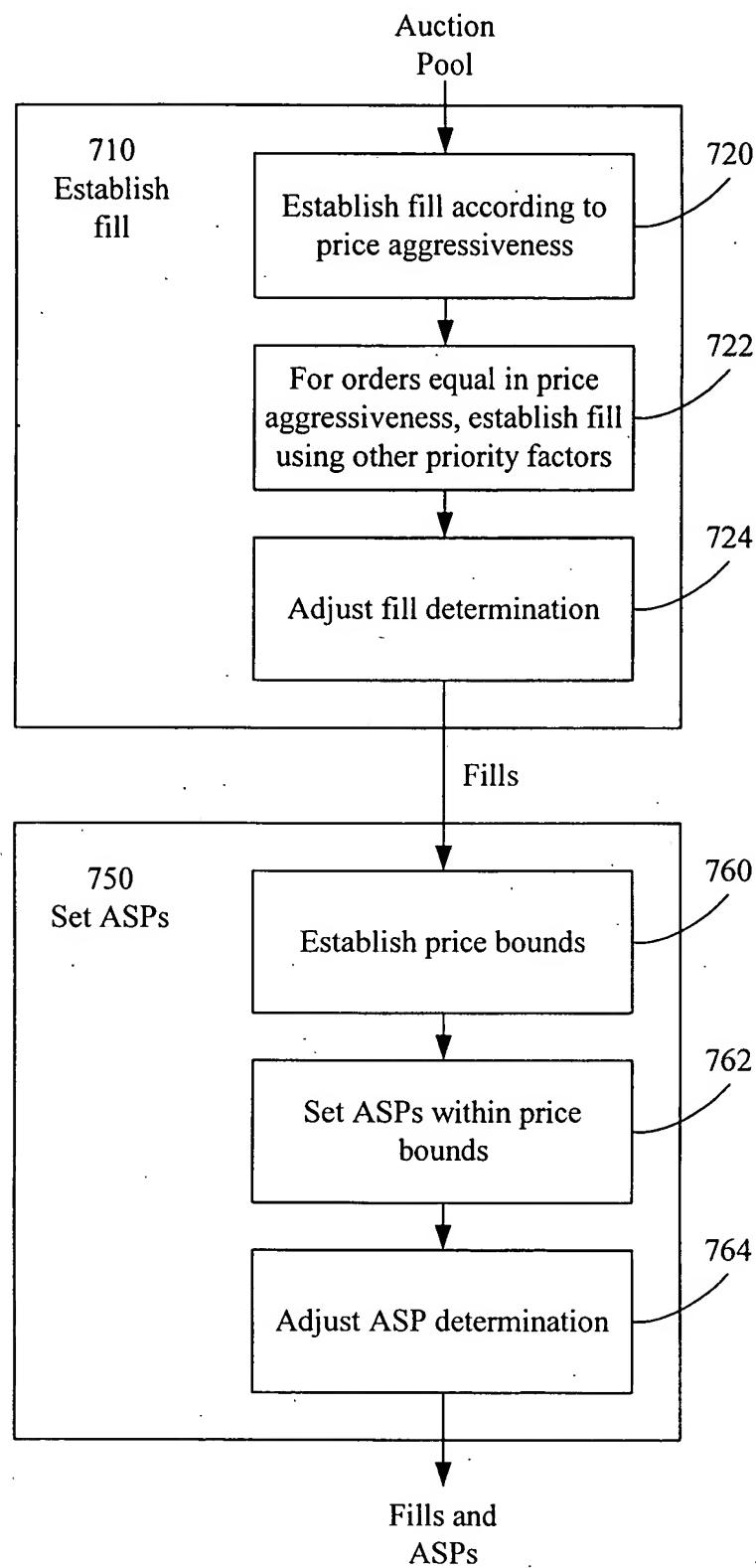
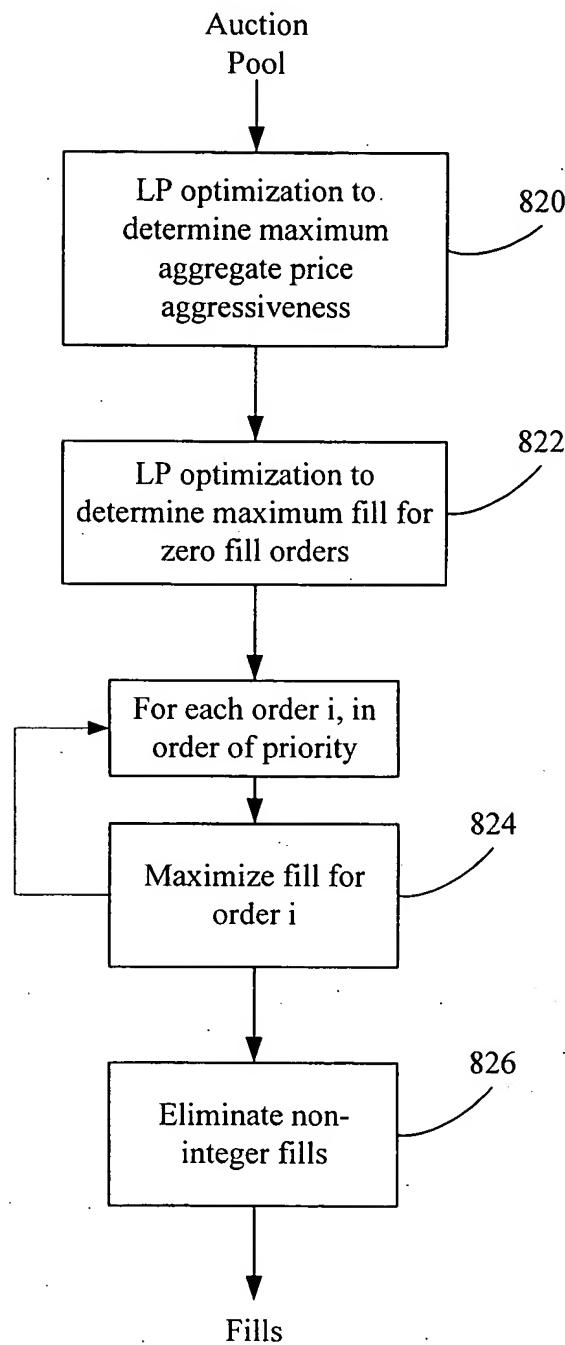
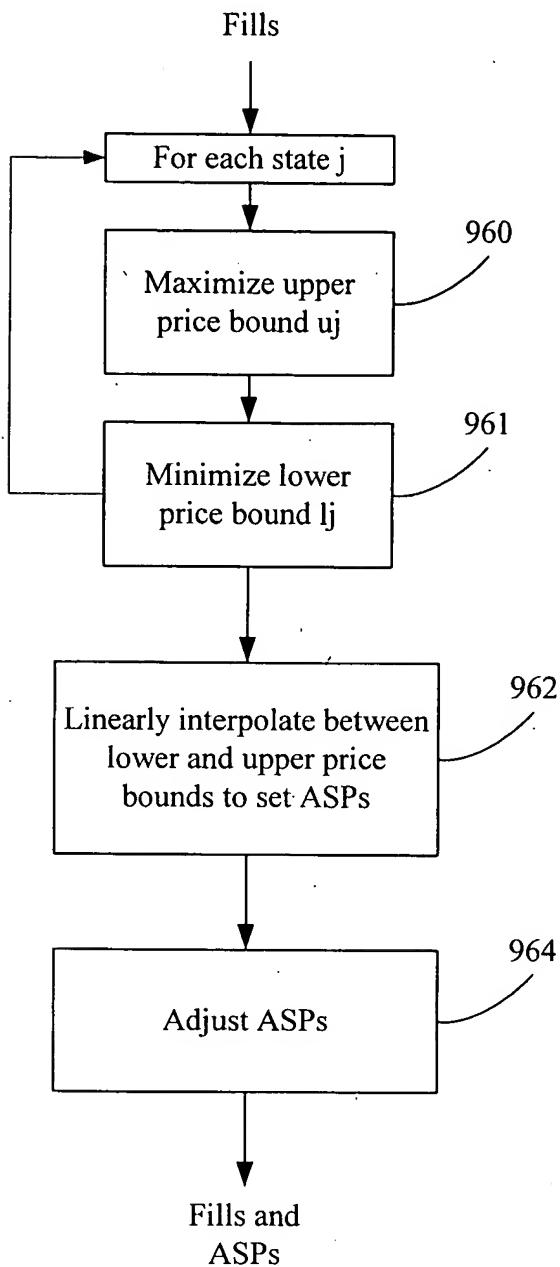


FIG. 7



**FIG. 8**



**FIG. 9**

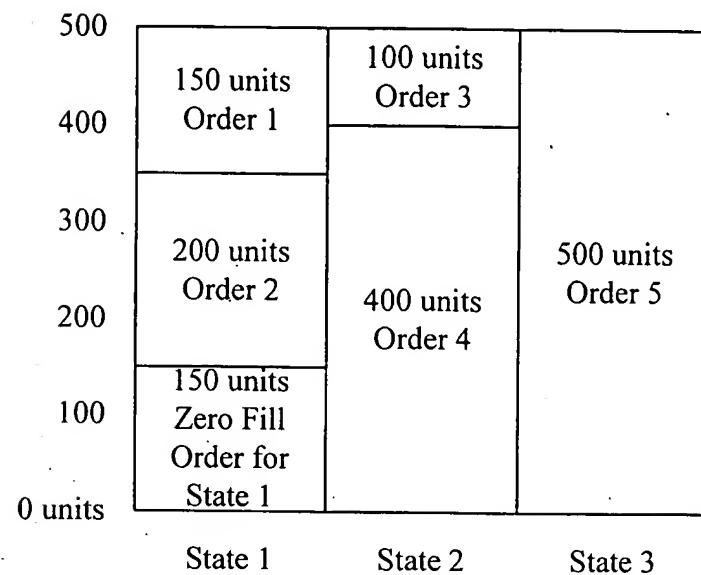


FIG. 10

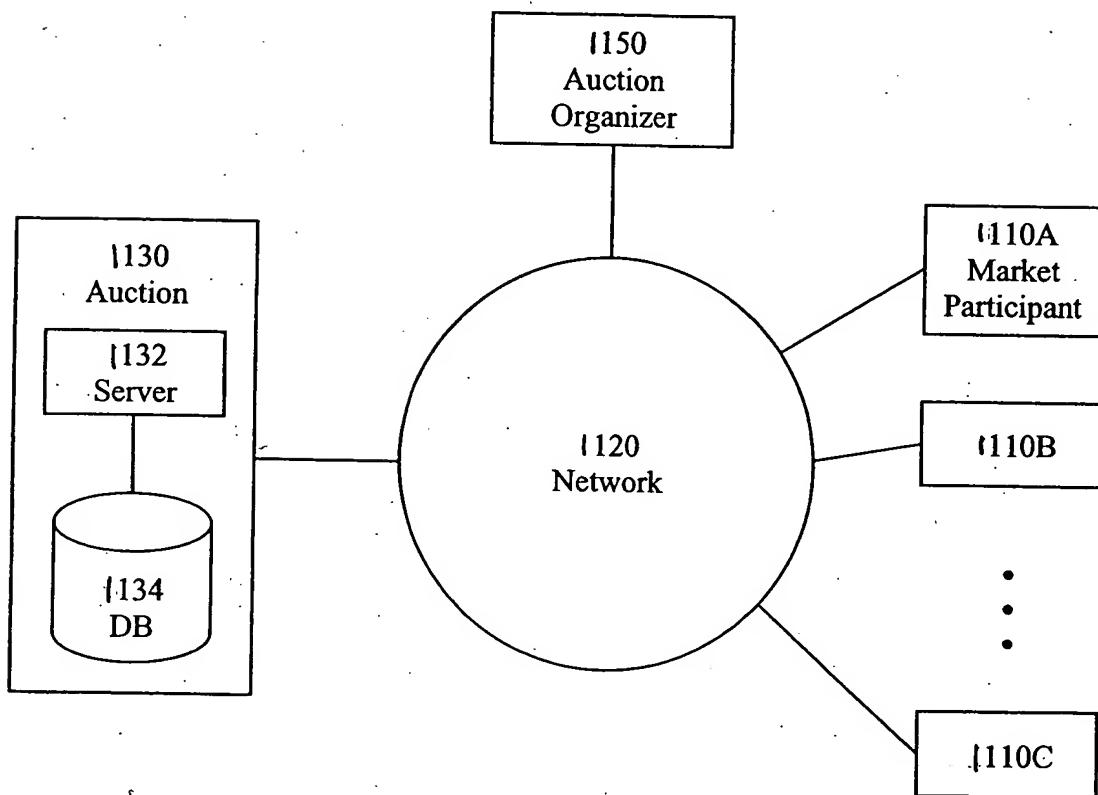


FIG. 11